DME Designer Installation Guide

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ENGLISH

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ESPAÑOL

This CD-ROM is only compatible with Windows® XP Professional/XP Home Edition/2000 Professional. In this manual, "DME" is used to refer to Digital Mixing Engine models such as the DME64N and DME24N; however, this does not include the DME32.

CD-ROM Installation Procedure

❶ Confirm that your computer and operating system are compatible with the software in this CD-ROM. (See page 5.)

❷ Install the appropriate driver (YAMAHA MIDI-USB Driver/YAMAHA DME-N Network Driver) on your computer.

❸ Make appropriate settings for the driver.

❹ Install the DME Designer.

❺ Start the DME Designer.

For instructions and details on using the software, refer to the DME Designer Owner's Manual.

CD-ROM Contents

⚠CAUTION
Never attempt to play back the included CD-ROM on an audio CD player.
Doing so may result in damage to your hearing as well as to your CD player/audio speakers.

This CD-ROM contains the following software.

Software	Folder	Content	Relevant pages
YAMAHA USB-MIDI Driver	USBdrv2k_	Enables your computer to communicate with the DME when your computer and the DME are connected using a USB cable.	2
YAMAHA DME-N Network Driver	Networkdrv_	Enables your computer to communicate with the DME when your computer and the DME are connected using Ethernet.	4
DME Designer	DMEDesigner_	Application for designing configurations of the DME, sending data to the DME, controlling the DME, and so on.	5
DME Firmware	Firmware	Firmware data for updating DME models. Use DME Designer for updating. Refer to the DME Designer Owner's Manual for details.	—
DME Component	Component	Component data for DME models. Refer to the DME Designer Owner's Manual for details.	—

YAMAHA USB-MIDI Driver

To connect a DME and a computer via USB, it is necessary to install the YAMAHA USB-MIDI Driver to the computer. The YAMAHA USB-MIDI Driver is software that enables to transmit MIDI signal between computer and DME via USB cables or USB-MIDI interface.

Installation

[Windows 2000]

❶ Start the computer and use the "Administrator" account to log into Windows 2000.

❷ Select [My Computer → Control Panel → System → Hardware → Driver Signing → File Signature Verification] and check the radio button to the left of "Ignore – Install all files, regardless of file signature" and click [OK].

❸ Insert the included CD-ROM into the CD-ROM drive.

❹ Make sure the POWER switch on the DME is set to OFF and use the USB cable to connect the USB terminal of the computer (or the USB hub) to the USB terminal of the DME. When the DME is turned on, the computer automatically displays the "Found New Hardware Wizard." Click [Next].

❺ Check the radio button to the left of "Search for the suitable driver for your device. (Recommended)." The window that appears enables you to select the location for installing the driver.

❻ Check the "CD-ROM drives" box and uncheck all other items. Click [Next].

NOTE The system may ask you to insert a Windows CD-ROM while it checks for the driver. Specify the "USBdrv2k" folder in the CD-ROM drive (for example, D:\ USBdrv2k_\) and continue installation.

❼ When the installation is complete, the system displays "Completing the Found New Hardware Wizard." Click [Finish].

NOTE Some computers may take about ten seconds to show this screen after installation is complete.

❽ Restart the computer.

The driver has been installed.

[Windows XP]

❶ Start the computer.

❷ Select [Start → Control Panel].
If the control panel shows "Pick a category," click "Switch to Classic View" in the upper left of the window. All control panels and icons will be displayed.

❸ Select [System → Hardware → Driver Signing → File Signature Verification], and check the radio button to the left of "Ignore -Install all files, regardless of file signature" and click [OK].

❹ Click [OK] to close the System Properties window, then click the Close button ([X]) at the top right of the window to close the Control Panel.

❺ Insert the included CD-ROM into the CD-ROM drive.

❻ Make sure the POWER switch on the DME is set to OFF and use the USB cable to connect the USB terminal of the computer (or the USB hub) to the USB terminal of the DME. When the DME is turned on, the computer automatically displays the "Found New Hardware Wizard."

NOTE Some computers may take a few minutes to show this screen.

❼ Check the radio button next to "Install the software automatically [Recommended]," then click [Next]. The system starts installation.

❽ When the installation is complete, the system displays "Completing the Found New Hardware Wizard." Click [Finish].

NOTE Some computers may take about a few minutes to show this screen after the installation is complete.

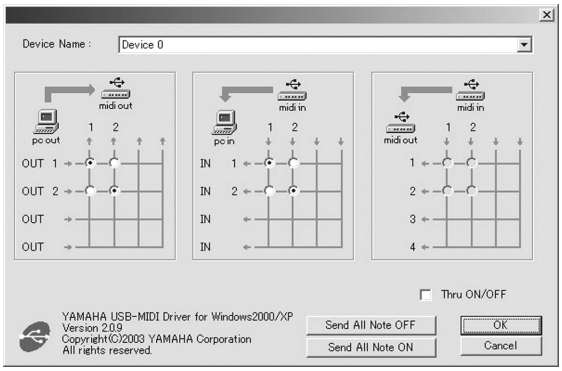
❾ Restart the computer.

The driver has been installed.

Setup

In general, there is no need to change the initial settings.

❶ Select [Start → Control Panel → MIDI-USB Driver].
The YAMAHA USB-MIDI Driver window will appear.



❷ Setup the driver in the YAMAHA USB-MIDI Driver window.

[Device Name]
For selecting the USB device to be used with the USB-MIDI Driver.

MIDI OUT setting
For selecting the appropriate MIDI OUT port of the computer application to correspond to the port number of the USB MIDI signal sent from the computer.

MIDI IN setting
For selecting the appropriate MIDI IN port of the computer application to correspond to the port number of the USB MIDI signal received by the computer.

MIDI THRU setting
For selecting the port number of the USB MIDI input/output signals passing through the computer.

[Thru ON/OFF]
Switches MIDI THRU on/off.

[Send All Note OFF]
Transmits All Note OFF signal to all MIDI OUT ports.

[Send All Note ON]
Transmits All Note ON signal to all MIDI OUT ports.

❸ Click [OK] and close the YAMAHA USB-MIDI Driver window.
The settings made in the window are entered.

NOTE To close the window without entering the settings, click [Cancel].

ENGLISH

YAMAHA DME-N Network Driver

To connect a DME and a computer via Ethernet, you will need to install the YAMAHA DME-N Network Driver to the computer. The YAMAHA DME-N Network Driver enables transmission of MIDI data between the computer and the DME via Ethernet cables.

Installation

❶ Double-click on the "Networkdrv_" folder.
Various files are shown, including "Setup.exe."

❷ Double-click on "Setup.exe."
When the setup has been initialized, a "Welcome" window appears.

❸ Click [Next]. The YAMAHA DME-N Network Driver will be installed. When installation is complete, a message appears indicating that setup has been completed.

❹ In order for the newly installed YAMAHA DME-N Network Driver to take effect, select "Yes, I want to restart my computer now," and click [OK]. The computer will restart.

The YAMAHA DME-N Network Driver has been installed.

Uninstalling

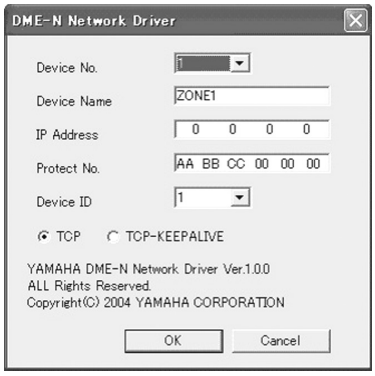
❶ Select [Start → Settings → Control Panel → Add/Remove Programs].
The Add/Remove Programs window appears.

❷ Click [Change/Remove] for the YAMAHA DME-N Network Driver.
Follow the onscreen instructions to uninstall the driver.

NOTE The button names or menus may differ depending on the computer OS.

Setup

❶ Select [Start → Control Panel → DME-N Network Driver].
The DME-N Network Driver window appears.



❷ Set up the driver in the DME-N Network Driver window.

NOTE When using the DME-N Network Driver, make sure that the computer and network devices (e.g., routers, switching hubs) are properly connected and set up.

[Device No.]
This parameter is used to distinguish separate devices that communicate with the YAMAHA DME-Network Driver. The YAMAHA DME-N Network Driver can communicate with up to 256 devices. The manner of communication can be set up independently for each device. Select the number and the settings of the device corresponding to the number will be shown. The range is 1 – 126.

[Device Name]
Sets the name of the device.

[IP Address]
Sets the IP address of the device for communication with the YAMAHA DME-N Network Driver.

[ProtectNo.]
Sets the MAC address.

NOTE For proper communication, it is necessary to make the appropriate "IP Address" and "Protect No." settings.

[TCP/TCP-KEEPALIVE]
Sets the communication system between the computer and the DME device. The TCP setting and the TCP-KEEPALIVE setting have different advantages. The advantage to using TCP is that the communication load of the DME device is lighter. The advantage of TCP-KEEPALIVE is greater speed.

TCP
Enables communication under the TCP protocol and alternately opens/closes the communication port for each packet transfer.

TCP-KEEPALIVE
Enables communication under the TCP protocol and keeps the communication port open continuously during packet transfer.

❸ Click [OK] and close the DME-N Network Driver window.
The settings made in the window are entered.

NOTE To close the window without entering the settings, click [Cancel].

ENGLISH

DME Designer

System Requirements

OS:	Windows® XP Professional/XP Home Edition/2000 Professional
CPU:	1GHz or higher; Intel® Pentium®/ Celeron® family processor
Memory:	256MB or more
Hard disk space:	300MB or more
Display:	1280 x 1024; high color (16-bit) or higher
Other:	Mouse, CD-ROM drive, 100Base-TX/ 10Base-T Ethernet or USB connection

Installation

NOTE If an older version of DME Designer is installed on your computer, you will need to uninstall it before proceeding.

❶ Double-click on the "DMEDesigner" folder.
An executable file "setup.exe" is shown.

❷ Double-click on "setup.exe."
A Setup window for DME Designer appears.

❸ Execute the installation by following the onscreen instructions.
After installation is complete, the DME Designer folder appears on your computer (in "Program Files\YAMAHA\OPT Tools" folder, as the default).

For details on operation, refer to the DME Designer Owner's Manual.
The DME Designer Owner's Manual will be installed automatically when the DME Designer is installed.

NOTE In order to view the DME Designer Owner's Manual, Adobe Acrobat Reader must be installed to your computer. If you do not have Adobe Acrobat Reader, you can download it for free from the Adobe website below.
http://www.adobe.com/

Uninstalling

Method 1

❶ Select [Start | All Programs | YAMAHA OPT Tools | DME Designer | Setup].
The YAMAHA DME Designer dialog box appears.

❷ Select [Remove] in YAMAHA DME Designer dialog box and click [Next].
The dialog box for confirmation appears.

❸ Click [Yes].
DME Designer is uninstalled.

Method 2

❶ Select [Start → Settings → Control Panel → Add/Remove Programs].
The Add/Remove Programs window appears.

❷ Click [Change/Remove] of the DME Designer.
Follow the onscreen instructions to uninstall the driver.

NOTE The button names or menus may differ depending on the computer OS.

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Troubleshooting (FAQ)

- **The YAMAHA USB-MIDI Driver cannot be installed.**

· **Is the USB cable connected correctly?**
Refer to the DME owner's manual to confirm proper connection of USB cables.

· **EIs the USB function enabled on your computer?**
When you connect the DME to the computer for the first time, if the "Add New Hardware Wizard" does not appear, the USB function on the computer may be disabled. Perform the following steps.

❶ Select [Start → Settings → Control Panel → System].
The System window appears.

❷ Double-click the "Device Manager" tab and make sure that no "!" or "x" marks appear at "Universal serial bus controller" or "USB Root Hub."
If you see the "!" or "x" mark, the USB controller is disabled. Refer to the owner's manual of your computer for details.

· **EIs any unknown device registered?**
If driver installation fails, the DME will be shown as an "Unknown device," and you will not be able to install the driver. Delete the "Unknown device" by following the steps below.

❶ Select [Start → Settings → Control Panel → System].
"System" window will appear.

❷ Double-click the "Device Manager" tab. With the "View devices by type" check box checked, look for "Other devices."

❸ If you find "Other devices," double-click it to extend the tree to look for "Unknown device." If one appears, select it and click the [Remove] button.

❹ Remove the USB cable from the DME, and make the connection again.

❺ Install the driver again according to the instructions following step 4 on page 2.

- **When controlling the DME from your computer via USB, the DME does not operate correctly.**

· **Did you install the driver?**
· **Is the USB cable connected correctly?**
· **Is the YAMAHA USB-MIDI Driver set up appropriately?**
· **Have you selected an appropriate port in the DME Designer or another relevant MIDI application?**
Make sure that the settings in one application have either the combination of "YAMAHA USB IN 0-1" and "YAMAHA USB OUT 0-1," or the combination of "YAMAHA USB IN 0-2" and "YAMAHA USB OUT 0-2."
Settings combining different port numbers (i.e., "YAMAHA USB IN 0-1" and "YAMAHA USB OUT 0-2," or "YAMAHA USB IN 0-2" and "YAMAHA USB OUT 0-1") cannot be used.
· **Have you selected the same USB ports in both the DME Designer and another relevant MIDI application?**
Change the setting of the USB port so that both the DME Designer and the other MIDI application match.
· **Are you using the latest YAMAHA USB-MIDI driver?**
The latest driver can be downloaded from the Yamaha website (address given at the end of this manual).
· **Have you selected USB as MIDI port in the DME?**
Select USB for the MIDI port.

- **When controlling the DME from your computer via Ethernet, the DME does not operate correctly.**

· **Did you install the driver?**
· **Is the Ethernet cable connected correctly?**
· **Is the YAMAHA DME-N Network Driver set up appropriately? Did you enter an appropriate IP address?**
· **Is the computer network setup appropriate?**
Select → Start → Settings → Control Panel → Network Connections → Local Area Connection], and confirm the network setup.
· **Are the settings of DME and peripheral network devices (including hubs) appropriate?**
Refer to the relevant owner's manuals for the DME and peripheral network devices (including hubs) for details.
· **Have you selected an appropriate network port in the DME Designer?**
· **Are you using the latest YAMAHA DME-N Network Driver?**
The latest driver can be downloaded from the Yamaha website (address given at the end of this manual).

- **Cannot suspend or resume the computer correctly.**

· **Do not suspend the computer while the DME Designer is running.**
If you are using Windows 2000/XP, you may not be able to suspend/resume normally, depending on the particular environment (USB Host Controller, etc.). (Even so, simply disconnecting and connecting the USB cable will allow you to use the DME functions again.)

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